

IN THE CLAIMS

Please amend Claim 11 as follows.

1-10. (Canceled)

11. (Currently Amended) An imaging apparatus comprising:
a photoelectric conversion area including a plurality of photoelectric converters;
a controller configured to continuously perform a plurality of image-taking operations at a plurality of different charge accumulation times, respectively, in a state where the photoelectric conversion area is not shielded by a shutter, and continuously perform a plurality of dark capture operations at the plurality of different charge accumulation times, respectively, in a state where the photoelectric conversion area is shielded by the shutter after completion of continuous performing the plurality of image-taking operations, wherein the controller does not perform the plurality of dark capture operations between one image-taking operation and the following image-taking operation of the plurality of image-taking operations; and
an image processor configured to correct image data which is acquired in the plurality of image-taking operations with correction data which is acquired in the plurality of dark capture operations,
wherein the plurality of different charge accumulation times of the dark capture operations are equal to that of the image-taking operations.

12. (Previously Presented) The imaging apparatus according to Claim 11, wherein the accumulation times for generating the correction data in the dark capture operations are different, and the dark capture operations are performed in the same order as the image taking operations.

13. (Previously Presented) The imaging apparatus according to claim 11, wherein the accumulation times for generating the correction data in the dark capture operations are different, and the dark capture operations are performed in ascending order of the image taking operations.